

MD 225 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

EXISTING SIGNS

- 12
Marshall's Cor RD
- 15
Marshall's Cor RD
- 13
Rose Hill RD
- 14
Rose Hill RD
- 17, 19, 21, 22
Hawthorne RD

PROPOSED SIGNS

- 16
EAST
225
SHIELD ASSEMBLY (30"x51")
- 18
WEST
225
SHIELD ASSEMBLY (48"x75")
- 20
WEST
225
SHIELD ASSEMBLY (30"x51")
- 23
EAST
225
SHIELD ASSEMBLY (48"x75")

PROPOSED SIGNALS

- 1-5, 8, 11
R
Y
G
12"
- 6, 7, 9, 10
R
Y
G
12"

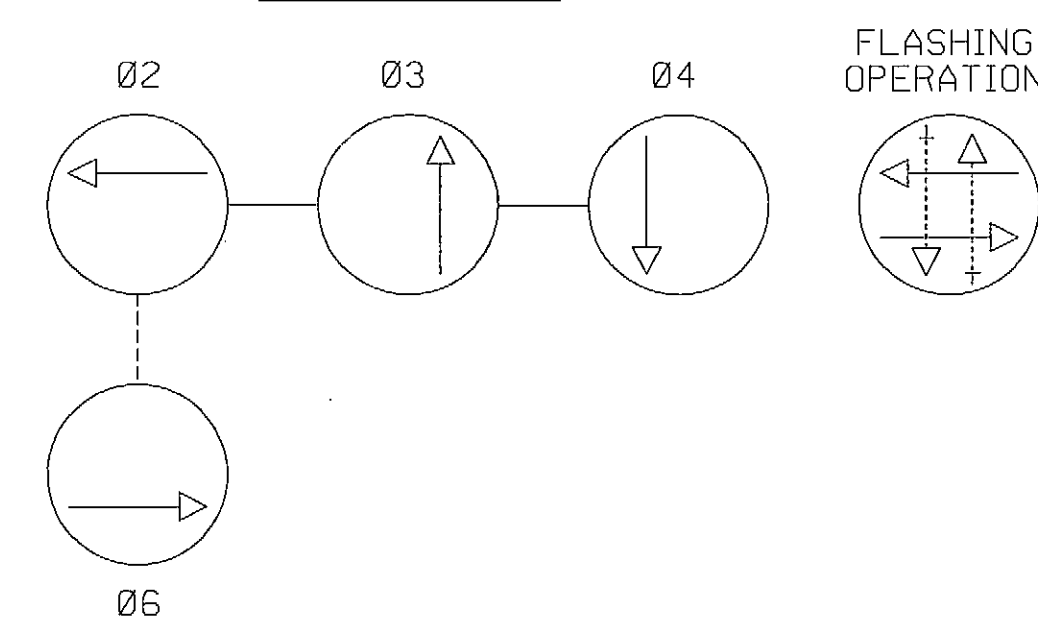
PROPOSED VIDEO DETECTION CAMERAS

a, b

EXISTING SIGNALS TO BE REMOVED

- 1A-5A, 8A, 9A, 11A 7A, 10A
R
Y
G
12"
- R
Y
G
12"

NEMA PHASING



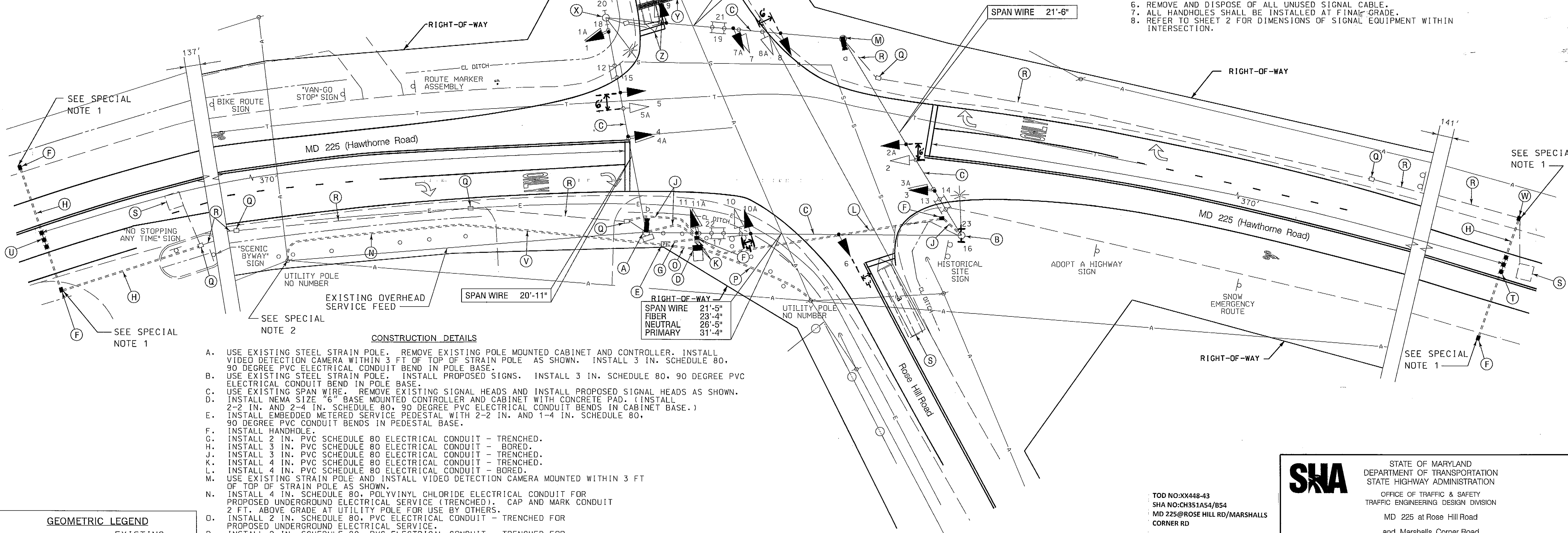
NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

SPECIAL NOTES:

1. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.
2. THE CONTRACTOR SHALL COORDINATE WITH SHA TRAFFIC OPERATION DIVISION TO CONTACT LOCAL POWER COMPANY TO SET-UP WORK WITH TO DISCONNECT THE EXISTING ELECTRICAL SERVICE AND HAVE THE NEW SERVICE ENERGIZED.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
7. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
8. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.



CONSTRUCTION DETAILS

- A. USE EXISTING STEEL STRAIN POLE. REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER. INSTALL VIDEO DETECTION CAMERA WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN. INSTALL 3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE.
- B. USE EXISTING STEEL STRAIN POLE. INSTALL PROPOSED SIGNS. INSTALL 3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE.
- C. USE EXISTING SPAN WIRE. REMOVE EXISTING SIGNAL HEADS AND INSTALL PROPOSED SIGNAL HEADS AS SHOWN.
- D. INSTALL NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- E. INSTALL EMBEDDED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
- F. INSTALL HANDHOLE.
- G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- M. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
- N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE (TRENCHED). CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
- O. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
- P. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
- Q. USE EXISTING HANDHOLE.
- R. USE EXISTING CONDUIT.
- S. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS. HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- T. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- U. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- V. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE (BORED).
- W. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING WEST LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
- X. USE EXISTING STRAIN POLE. INSTALL PROPOSED SIGNS AS SHOWN.
- Y. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING.
- Z. REMOVE EXISTING PAVEMENT MARKING.
- AA. INSTALL 5 IN. YELLOW THERMOPLASTIC PAVEMENT MARKING.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

- SD SD STORM DRAIN
- G G GAS MAIN
- W W WATER MAIN
- S S SEWER MAIN
- E E ELECTRIC CABLES
- A A AERIAL CABLES
- T T TELEPHONE CABLES
- F F FIBER-OPTIC

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B UPGRADE LOOP DETECTION TO VIDEO AND UPGRADE TO LED SIGNAL HEADS
CONTRACT NO. XX4485185 8/7/09
NML BRD
A UPGRADE FROM I.C.B. TO FULL TRAFFIC SIGNAL 10/30
DBD ERS EDP TH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 225 at Rose Hill Road
and Marshall's Corner Road

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 990 CONTRACT NO. XX4485185

DESIGNED BY R.R. ZACHERAL (FOR STS) COUNTY Charles
DRAWN BY DERRICK DICKERSON LOGMILE 08022507.37
CHECKED BY TIMS NO. J559
F.A.P. NO. TOD NO.

TS NO. 2401 B DRAWING TSP-1 OF 2 SHEET NO. 1 OF 2

BY: bdonoway

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